

BULLETIN 1A.

A METHOD OF ESTIMATING  
ACCURATELY AND QUICKLY  
THE CORRECT

# X-RAY DOSAGE

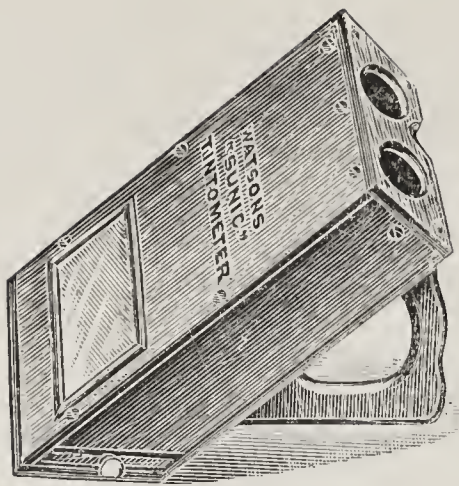
AS MEASURED BY THE  
PASTILLES OF  
DRS. SABOURAUD  
AND NOIRÉ.

ISSUED BY  
W. WATSON & SONS, LTD.,  
MANUFACTURERS OF X-RAY AND  
ELECTRO-MEDICAL APPLIANCES  
196, GT. PORTLAND ST., W.

Telephone: Mayfair 198.

Telegrams: "Skiagram Wesdo," London.

[1963]



OF all methods of measuring X-Ray Dosage, that arranged by DRS. SABOURAUD & NOIRÉ has undoubtedly secured the greatest prominence.

The Pastilles for this purpose are supplied in a book together with a standard tint (B) to which the pastilles have to be matched in order to measure the dose.

Full directions for use are included with the book of Pastilles.

Occasionally one hears of a difficulty which has been met with, in measuring the dosage by this means, namely that of matching the standard tint, more especially since both daylight and artificial light may be used at different times, and the difficulty of matching colours under varying qualities of illumination is well known.

If the Spectra of daylight, and ordinary artificial electric or gaslight be compared, a distinct difference in their compositions will be noted.

Broadly speaking, the daylight Spectrum will be found to include a very large proportion of blue and violet, whilst in the artificial light spectrum the blue will be much less.

The visual rays are actually yellow, so that it will at once be apparent that if the violet and blue and a portion of the red rays could be screened off, then it would not matter whether the pastilles were examined by daylight or electric light.

These screens, however, would necessarily have to be most carefully adjusted or the result would be misleading.

The unused pastille viewed through such a screen appears white, or rather is indistinguishable from an ordinary white piece of paper. The standard tint on the other hand has a pronounced deeper shade, so that the matching of the two shades becomes quite easy, AS THE APPARENT EFFECT IS TO INCREASE THE STEPS OF GRADATION TO A VERY CONSIDERABLE EXTENT.

Watson's 'Sunic' Tintometer (regd.) is a very simple instrument, with a sliding drawer at the bottom end in which the pastilles to be judged are placed.

It is so constructed that it may be held easily in the hand, or stood upon a table ; when it is at once arranged at a convenient angle for use. The lenses have been specially made for the purpose, and its use is most strongly advised for rapid and accurate work.

No. 8000E	'Sunic' Tintometer complete with standard tint	£1 5 0
„ 1400E	Book of Pastilles (Sabouraud & Noiré) ...	0 13 6

**NOTE.—W. Watson & Sons, Ltd., are the  
Sole Agents for the above Genuine Pastilles.**



W. WATSON & SONS, LTD.,  
MANUFACTURERS OF X-RAY AND  
ELECTRO-MEDICAL APPARATUS,  
196, GT. PORTLAND ST., W.



# There is no difficulty

In supplying

X-RAY TUBES of highest quality, suitable for all purposes.

Prices have not been advanced, and a large stock is held ***ready for immediate delivery.***

These Tubes are exhausted by a special process, which admits of their being used right away, without any previous seasoning, or working up, and without prejudice to the life of the Tube.

Complete list of these Tubes will be sent, post-free, on application.

No.		£	s.	d.
7000E	SUNIC. MARK I TUBE, 6 in. dia. bulb.			
	This tube is of the usual heavy anode type, suitable for use on induction coil installations of moderate output, either for radiography or treatment. It is provided with the patent form of cathode, with which we guarantee the cathode neck will not crack .. .. .	2	19	6
7002E	WATSON'S PLATINUM TARGET TUBE, 6 in. dia. bulb.			
	The platinum target tube is designed for use on heavy currents. The target is of exceptionally thick platinum, and the tube is suitable for use either on coil or transformer installations .. .. .	4	10	0
7004E	WATSON'S TUNGSTEN TARGET TUBE, 6 in. dia. bulb.			
	This tube is of similar construction to the platinum target tube, except that the target is of Tungsten and is intended for those workers who are using currents heavy enough to pit the platinum target. When ordering, it is necessary to mention whether the installation is induction coil or transformer .. .. .	6	15	0

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## W. WATSON & SONS, LTD.,

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